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Defense Technical Information Center Compilation Part Notice

ADP010802

TITLE: Combating Terrorism Technology Support
Office

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This paper is part of the following report:

TITLE: 12th Annual NDIA SO/LIC Symposium &
Exhibition, 12-14 Feb 2001, Arlington VA. NDIA
Event #1880

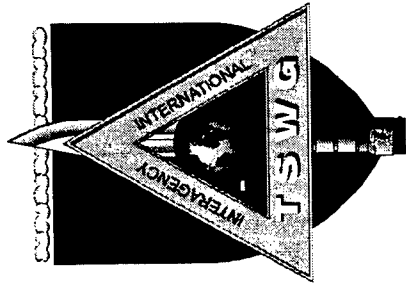
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The following component part numbers comprise the compilation report:

ADP010797 thru ADP010815

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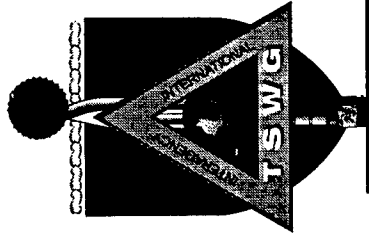


Combating Terrorism Technology Support Office

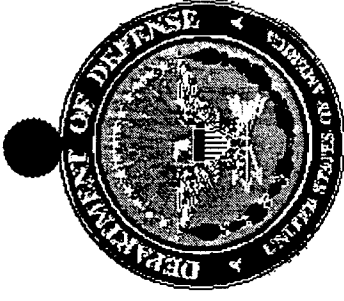
Edward J. McCallum
Director, CTTSO



National Defense Industrial Association
Special Operations and Low Intensity Conflict Conference
February 12-14, 2001

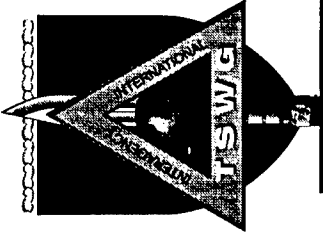


Agenda

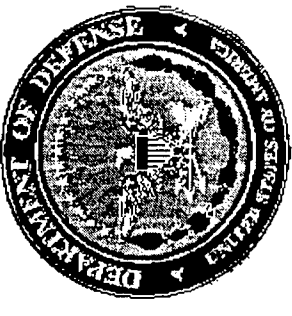


Joint Staff, Joint Chiefs of Staff, Department of Defense, United States of America

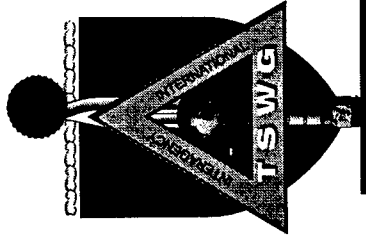
- Background and Mission
- Organization
- Business Processes
- Project Examples
- Current Focus Areas



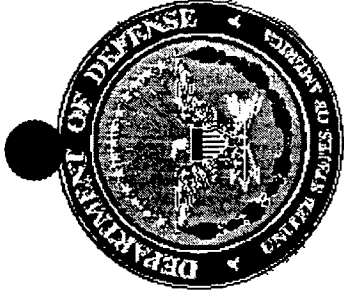
CTTSO



- CTTSO manages TSWG programs by Charter between DOS and DoD
- Full time program managers and support staff
- On-site contracts, finance, and security



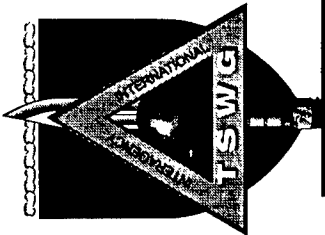
TSWG Mission



TSWG is a non-profit organization that was established in 1995 to provide a forum for the exchange of information and ideas among the members of the TSWG community. TSWG is a non-profit organization that was established in 1995 to provide a forum for the exchange of information and ideas among the members of the TSWG community.

“Countering terrorism requires close day-to-day coordination among many Executive Branch agencies.... Part of the challenge is to identify needs, seek common approaches, and coordinate development of new technologies.... This is accomplished through the interagency Technical Support Working Group.”

Excerpts from the President's 1995 National Security Science and Technology Strategy

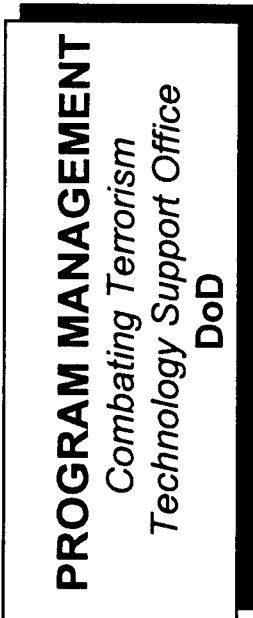
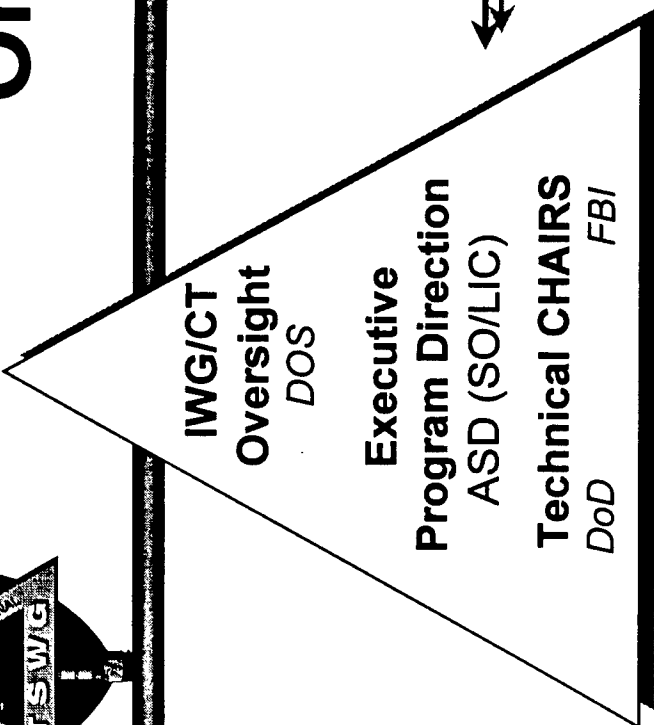


Organization

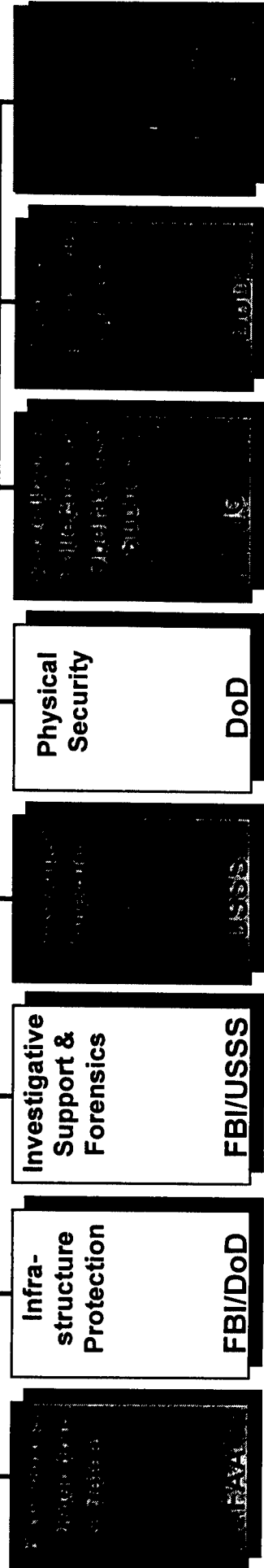
Report of the International Terrorism Working Group (ITWG) to the Secretary of Defense, 1997

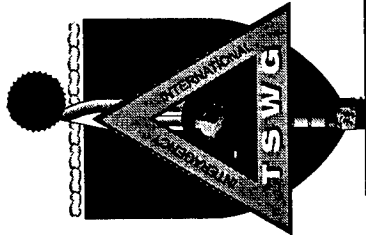
**OFFICE OF THE COORDINATOR
FOR COUNTERTERRORISM**

**INTERAGENCY WORKING GROUP
ON COUNTERTERRORISM**

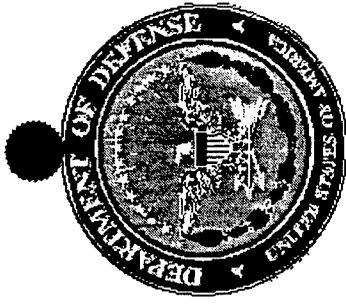


MULTI-AGENCY MEMBERSHIP SUBGROUPS





TSWG Members



Department of Defense

OASD(SO/LIC)
OATSD(NCB)CP/CBD
ODTUSD(P) PS/IP
OUSD(A&T) DDR&E and S&TS/LW
Defense Intelligence Agency
Defense Logistics Agency
Defense Threat Reduction Agency
National Security Agency
The Joint Staff
Unified Commands
US Atlantic Command
US Special Operations Command
US Air Force
Air Combat Command
AFMC
Force Protection Battle Laboratory
Force Protection System Programs Office
US Army
SBCCOM / ECBC
Corp of Engineers / WES / PMDC
Criminal Investigations Command
Joint Program Office for Bio Defense
Medical Institute for Infectious Diseases
Office of the Chief of the Army Reserve
Special Forces
Technical Escort Unit
Consequence Management Integration Office
US Marine Corps - CBIRF
US Navy
JPO / STC
Naval Criminal Investigative Service
Naval Research Laboratory
Naval Special Warfare
NEODTD / DTRG

Department of State

Office of the Coordinator for Counterterrorism
Diplomatic Security

Department of the Treasury

Bureau of Alcohol, Tobacco and Firearms
Explosives Technology Branch
National Laboratory Center
Office of Law Enforcement
US Customs Service
US Secret Service

Forensic Services Division
Technical Security Division

Department of Justice

Drug Enforcement Agency
Federal Bureau of Investigation
Counterterrorism Planning Section
Hostage Rescue Team
Laboratory Division
Bomb Data Center
Forensic Science and Training Center
Hazardous Material Response Unit
Material Analysis Section
Materials and Devices Unit
Explosive Operations Group
Questioned Documents Section
Scientific Analysis Section
National Domestic Preparedness Office
National Infrastructure Protection Center
Special Operations Unit
Federal Bureau of Prisons
National Institute of Justice
Department of Agriculture
Agricultural Research Service
Animal and Plant Health Inspection Service

Department of Energy

Defense Programs Elements
National Laboratories
Office of Safeguards and Security
Office of Energy Intelligence

Department of Health and Human Services/USPHS

Centers for Disease Control & Prevention
Food and Drug Administration
Office of Emergency Preparedness

Department of Commerce

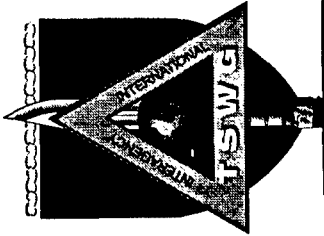
National Telecommunications & Information Administration
National Institute of Standards
Office of Security

Department of Transportation

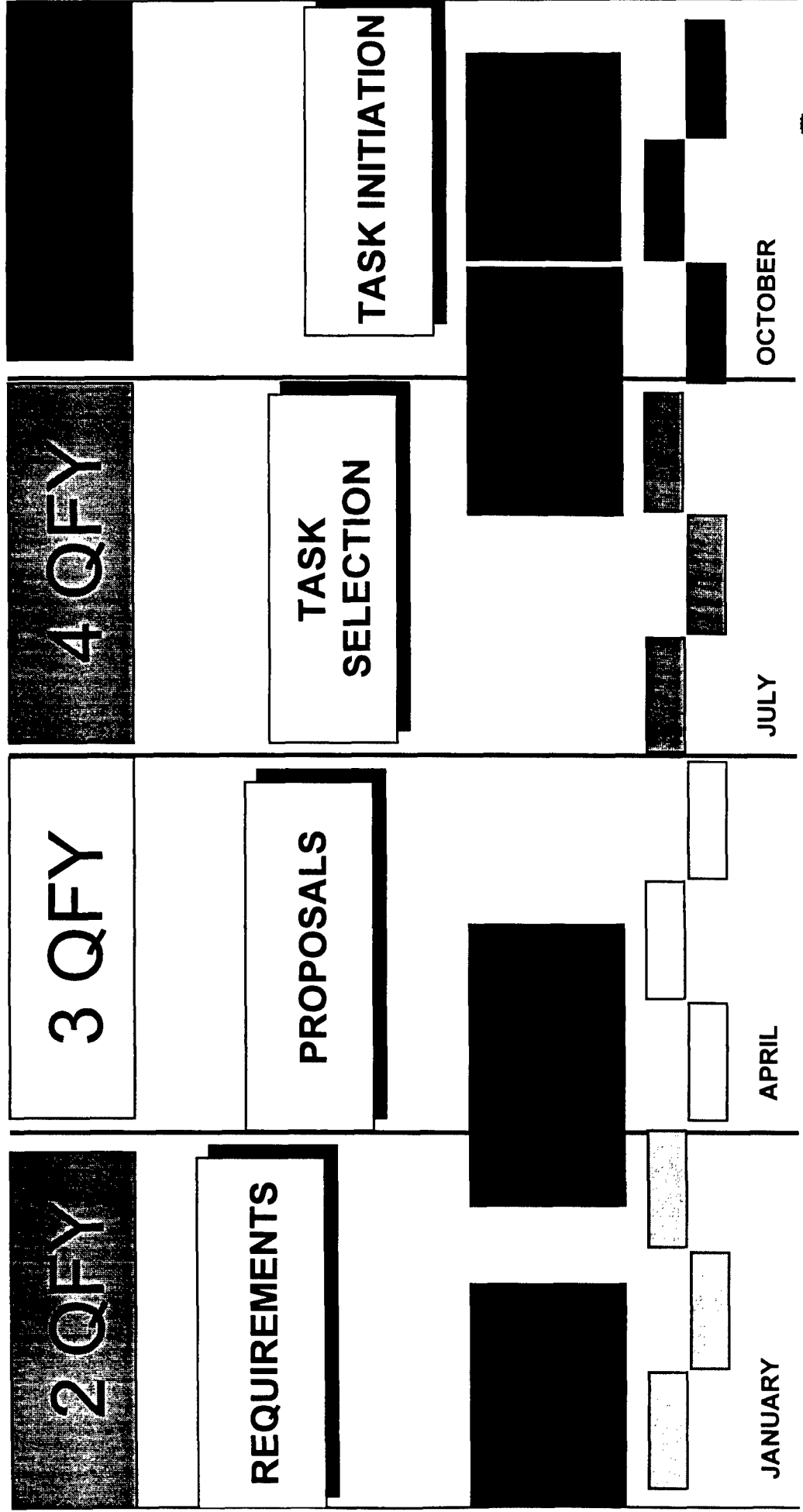
Intelligence and Security Division
Federal Aviation Administration
Office of Civil Aviation Security
FAA Technical Center
Office of Emergency Preparedness

Other

Central Intelligence Agency
Counterterrorism Center
Center for CIA Security
Office of Transnational Issues
Environmental Protection Agency
Federal Emergency Management Agency
General Services Administration - Federal Protective Services
US Postal Inspection Service
US Postal Service - National Forensic Laboratory



Business Formulation Cycle



BAA

**REQ'T
STATEMENT**

**Requirements
Meeting**

SPONSOR

**Subject
Matter
Experts**

USER

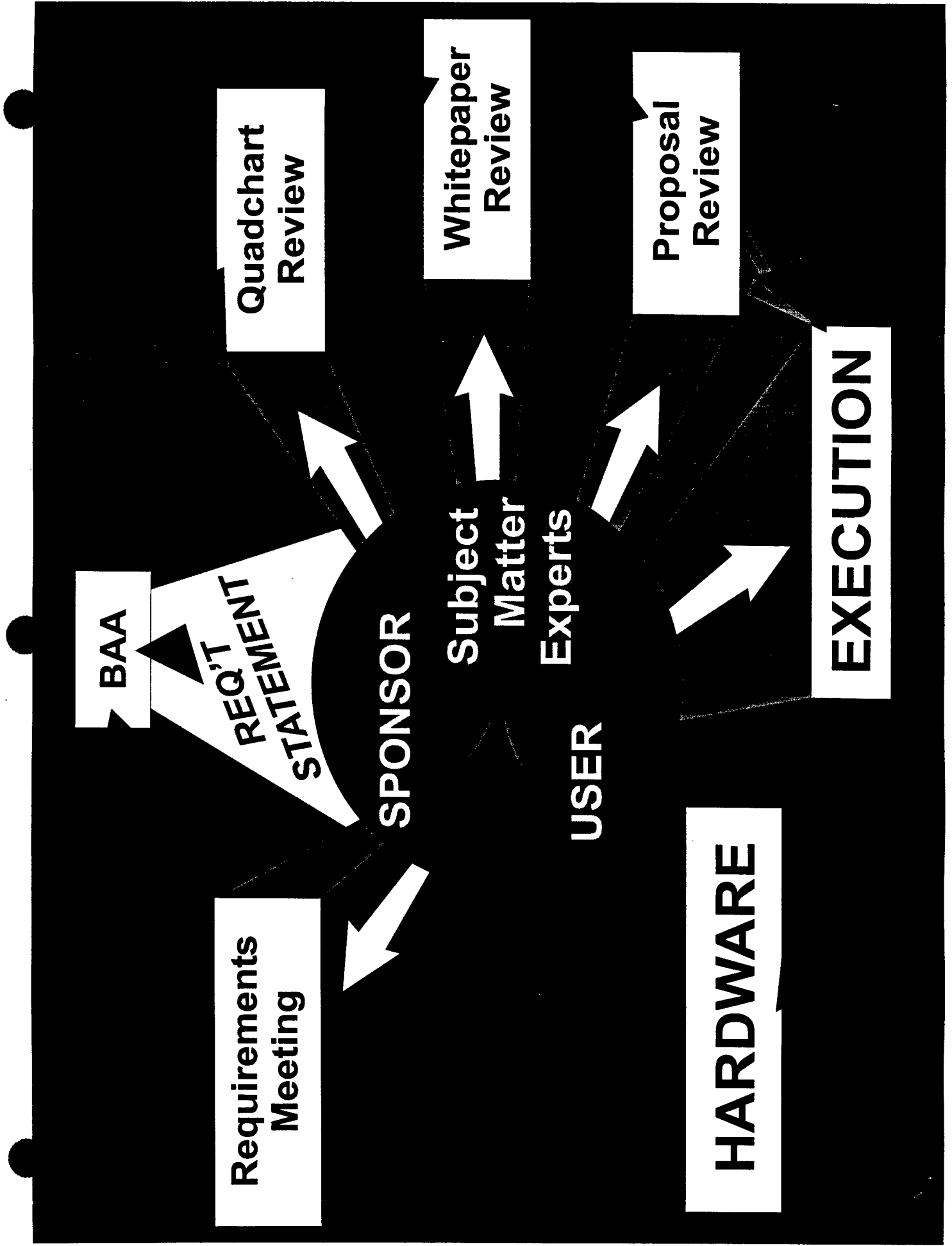
**Quadchart
Review**

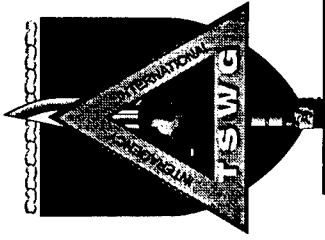
**Whitepaper
Review**

**Proposal
Review**

HARDWARE

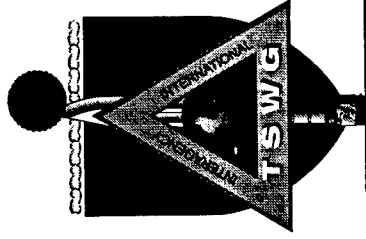
EXECUTION



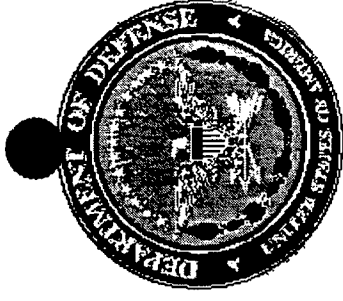


Threats and Requirements

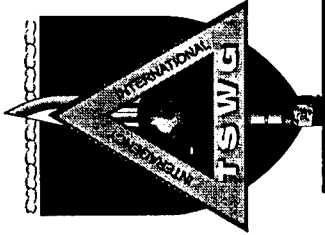
- Emerging Ballistics
- Toxic Industrial Chemicals
- Novel Explosives
- Cyber/ Information Operations
- IED Delivery Platforms



Subgroup Focus Areas



- Areas of special interest for each subgroup
- Bottom-up approach
- SOF interest at operator level

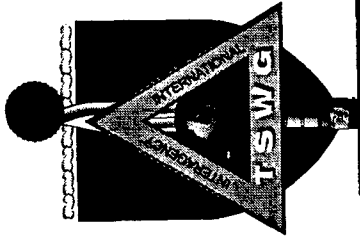


CBRN Countermeasures



- Protection
- Detection
- Decontamination
- Information Products

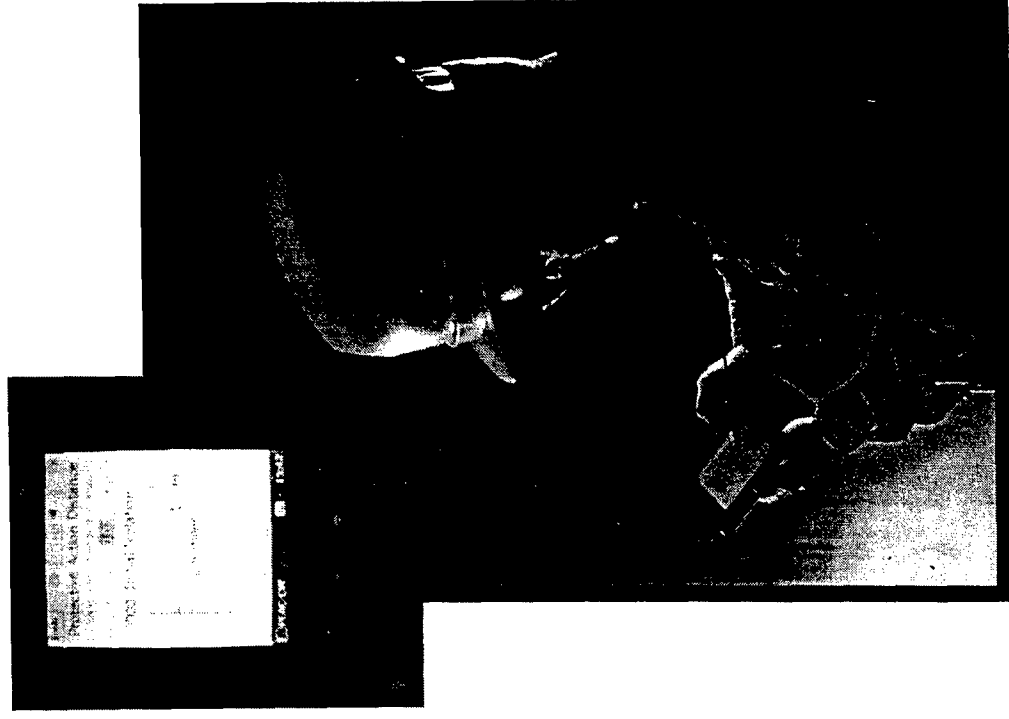


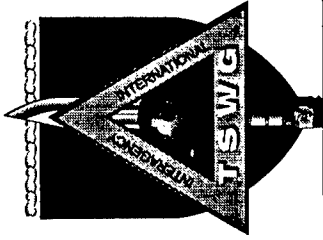


Palmtop Emergency Action Computer – Chemical Warfare



- Purpose: Develop a hazardous material database within a handheld computer.
- Capabilities: Hazardous Materials Properties, Protective Equipment and Emergency Response Tool
 - ~4000 Chemicals plus 24 CW Agents/Precursors
- Availability: February 2001

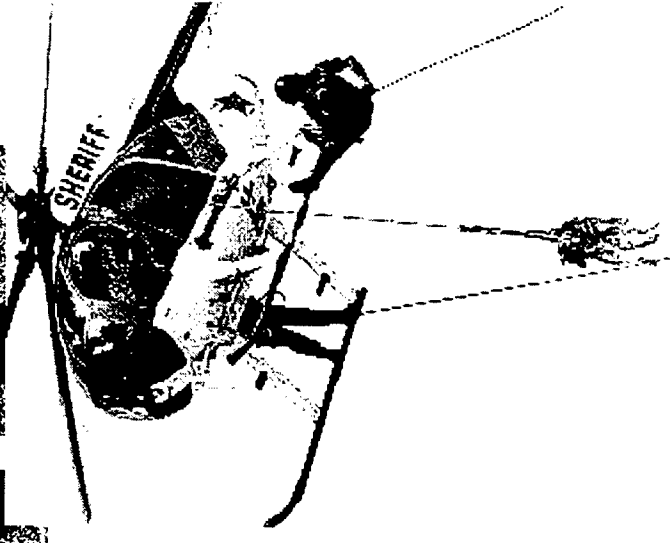
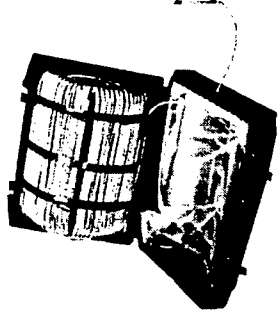


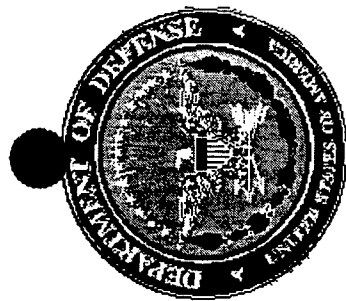
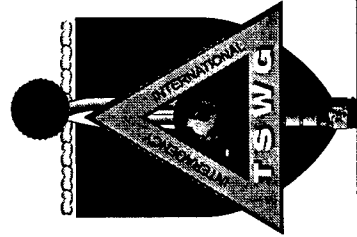


Explosives Detection and Defeat

Explosives Detection and Defeat is a course that provides a comprehensive overview of the various methods and techniques used to detect and defeat explosives. The course is designed for individuals who are interested in learning more about this critical field of study.

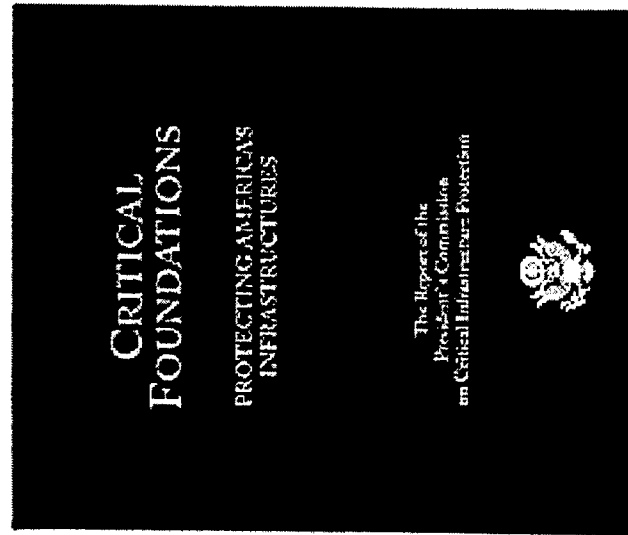
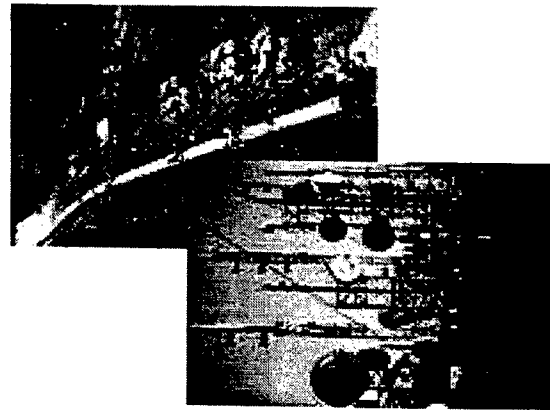
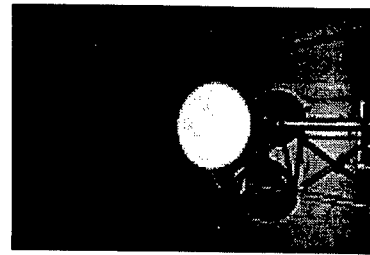
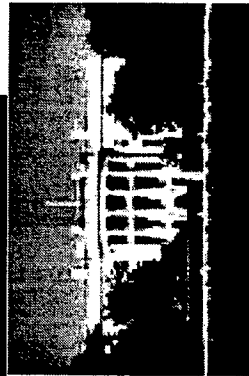
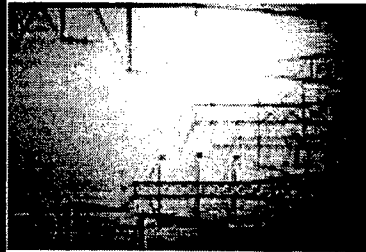
- Detection
- Diagnostics
- Defeat
- Robotics
- Improvised Materials





Infrastructure Protection

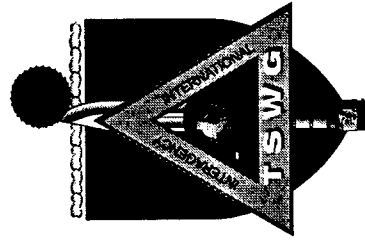
- Physical Protection
- Cyber Protection



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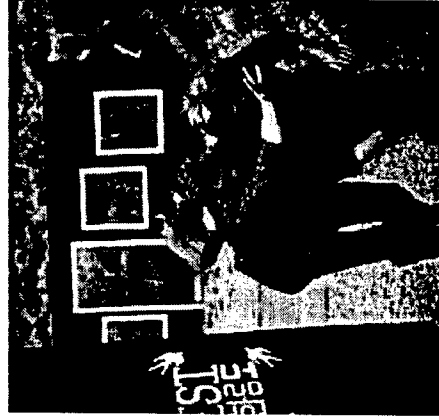
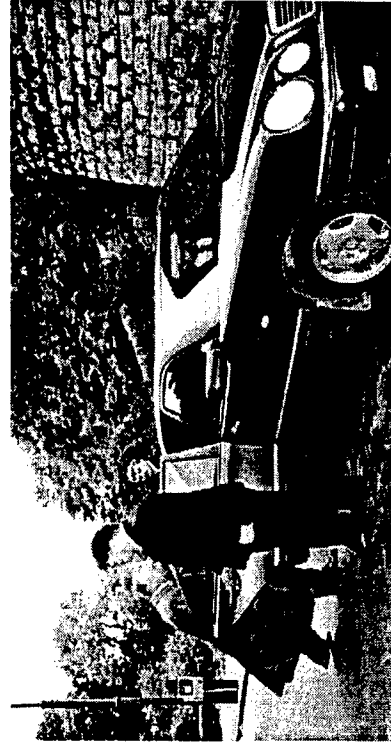
- UNITED FINGERPRINT**
- 1 2 3 4 5
- 11 12 13 14
- LATENT FINGERPRINT**
- 1 2 3 4 5
- 6 7 8 9 10
- DNA**
- A T C G
- ==
- ==
- ==
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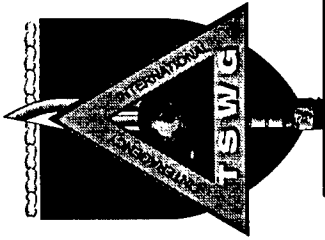




Personnel Protection

- Vehicle Protection and Performance
- Transparent Armor
- Enhanced Body Armor
- Counter Sniper





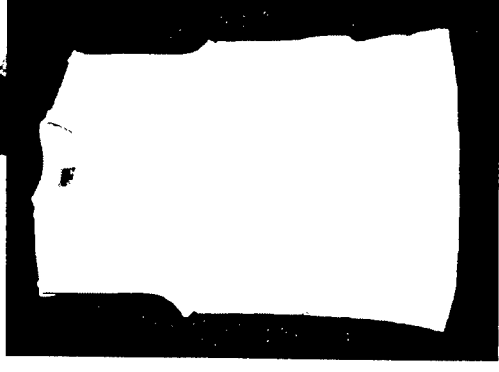
Lightweight Body Armor

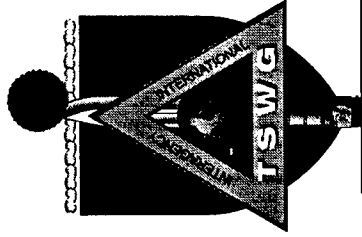
Requirement:

- Develop ultra-lightweight flexible body armor

Status:

- Completed development of armor using ZYLON fabric
- Completed NIJ Level IIIA certification
 - 9mm FMJ and 0.44 MAG projectiles
- Lightest Level IIIA armor currently available

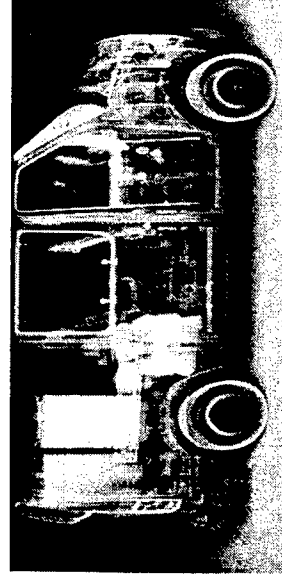
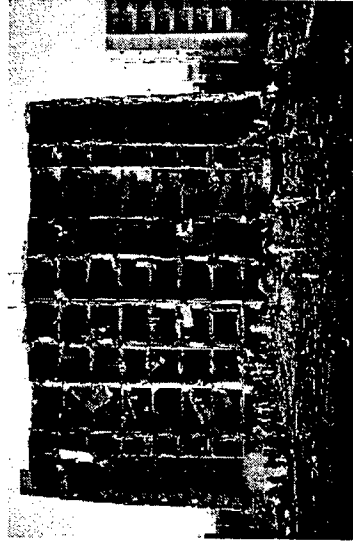
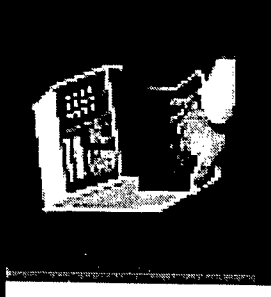
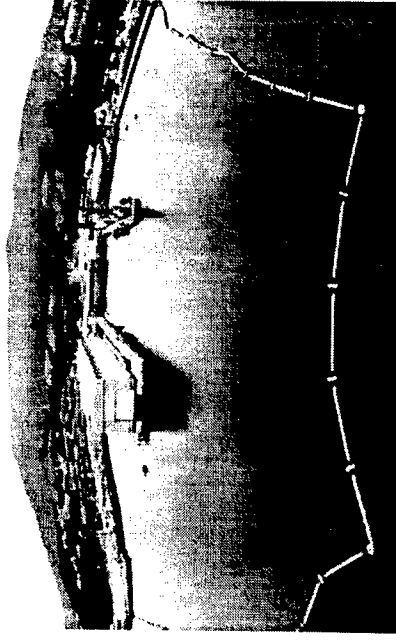
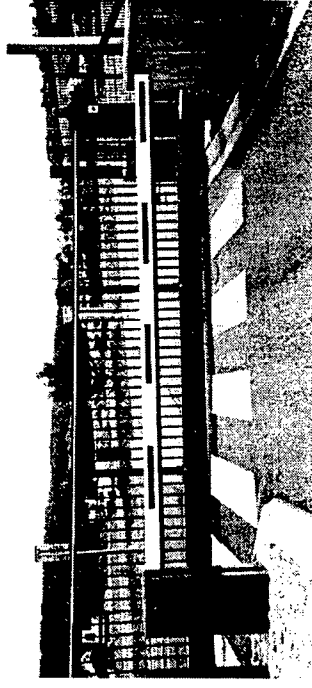


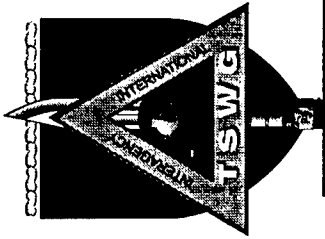


Physical Security

- Blast Protection & Mitigation
- Entry Point Screening
- Vulnerability Assessments
- Advanced Sensors

Approved for Release by NSA on 08-25-2013 pursuant to E.O. 13526

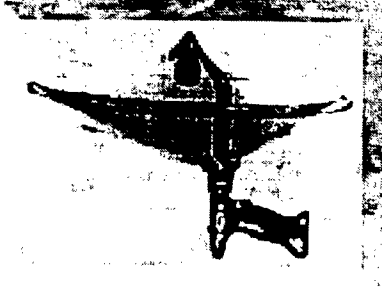


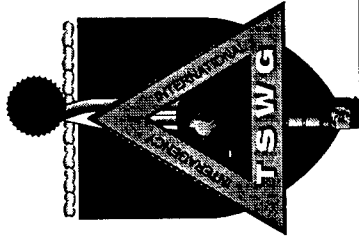


Surveillance, Collection, and Operations Support



- Specialized Surveillance Equipment
- Reconnaissance Enhancement
- Terrorist Search and Recognition Systems
- Information Operations



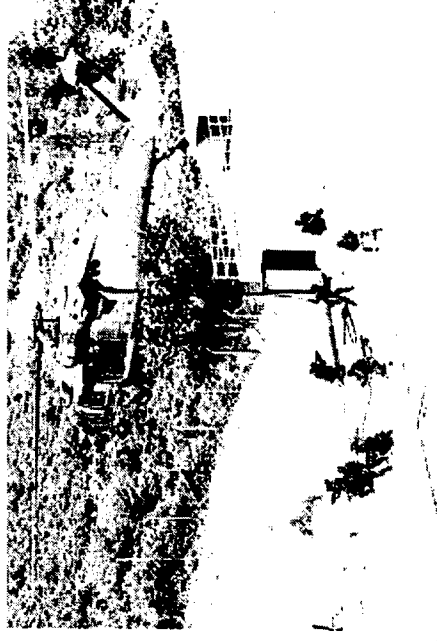


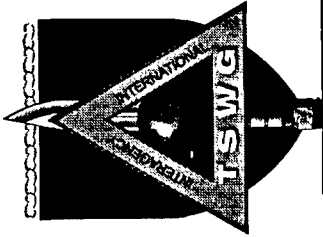
Tactical Operations Support



- Advanced Imaging Systems
- Specialized Access systems
- CBRN Detectors
- Tactical Offensive Systems
- Tactical Communications Systems

These systems are designed to provide the Joint Force with the ability to detect, identify, and track threats in the air, land, and sea domains. They are also capable of providing intelligence, surveillance, and reconnaissance (ISR) capabilities to the Joint Force.



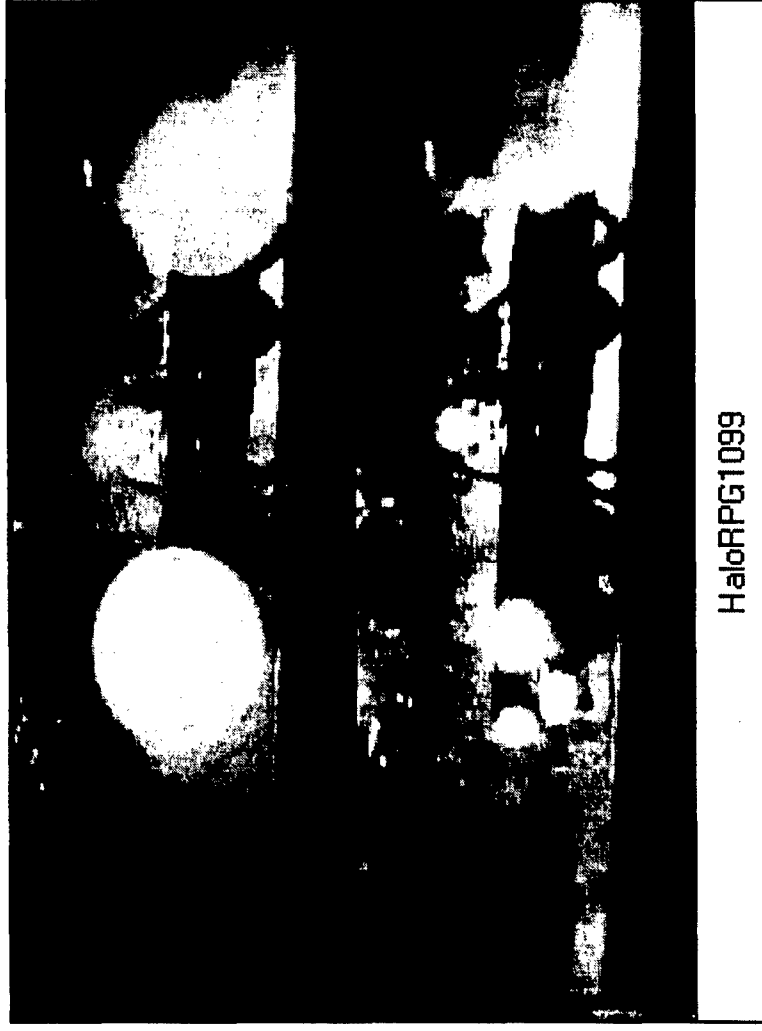


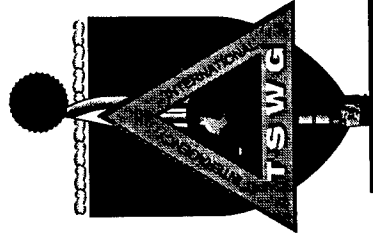
Field Tests Show Halo Reduction



**Standard OMNI IV
Night Vision
Monocular**

**Reduced Halo
OMNI IV
Prototype System**





SUMMARY



- **Forum to Rapidly Identify, Prioritize, and Resolve Needs/Requirements**
- **User Driven**
- **Interagency and International**
- **Effectively Support Transition to Acquisition and Commercial Production**